

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120816\
 Data File : BG025017.D
 Acq On : 8 Dec 2016 21:57
 Operator : UM/SJ
 Sample : H5863-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y3

Quant Time: Dec 09 01:34:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 01:31:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	80244	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	329825	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	259879	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	606441	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	852954	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	910543	20.00	ng/ul	0.00

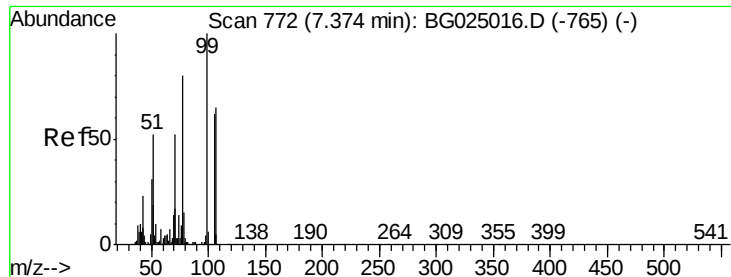
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	6842	4.40	ng/uL	0.00
5) Phenol-d5	7.38	99	167095	24.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	107329	25.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	119936	24.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.93	113	142776	24.68	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	63576	27.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	76800	26.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	144592	25.82	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	263707	47.92	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	552511	30.91	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	577934	29.52	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	98650	32.11	ng/ul	0.00
57) Fluorene-d10	15.85	176	583449	34.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	110974	29.60	ng/ul	0.00
70) Anthracene-d10	17.71	188	821876	32.11	ng/ul	0.00
76) Pyrene-d10	19.97	212	1054100	30.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1188410	32.21	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	7.37	77	9283	1.78 ng/ul#	1
6) Phenol	7.41	94	33541	4.72 ng/ul#	84
14) Acetophenone	9.07	105	20855	2.37 ng/ul#	88
17) Hexachloroethane	9.34	117	13711	6.36 ng/ul#	1
27) 2,4-Dichlorophenol	10.70	162	29652	5.45 ng/ul#	41
28) Naphthalene	11.12	128	594856	38.80 ng/ul	99
34) 2-Methylnaphthalene	12.71	142	946567	78.23 ng/ul	95
40) 1,1'-Biphenyl	13.70	154	221430	14.05 ng/ul	96
42) 2-Nitroaniline	13.96	65	5103	1.04 ng/ul#	51
44) Dimethylphthalate	14.30	163	104957	5.97 ng/ul#	94
47) Acenaphthylene	14.58	152	19782	1.04 ng/ul#	1
49) Acenaphthene	14.93	153	57570	4.41 ng/ul#	93
53) Dibenzofuran	15.26	168	146631	7.11 ng/ul	98
58) Fluorene	15.90	166	160082	9.53 ng/ul#	97
64) N-Nitrosodiphenylamine	16.11	169	36669	2.35 ng/ul#	57
69) Phenanthrene	17.65	178	73214	2.53 ng/ul	97
71) Anthracene	17.65	178	73214	2.46 ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 1.78 ng/ul

RT: 7.37 min Scan# 771

Delta R.T. -0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

Instrument :

BNA_G

ClientSampleId :

DA7Y3

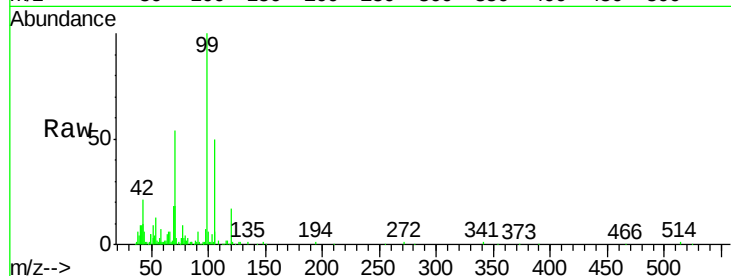
Tgt Ion: 77 Resp: 9283

Ion Ratio Lower Upper

77 100

105 530.2 62.0 93.0#

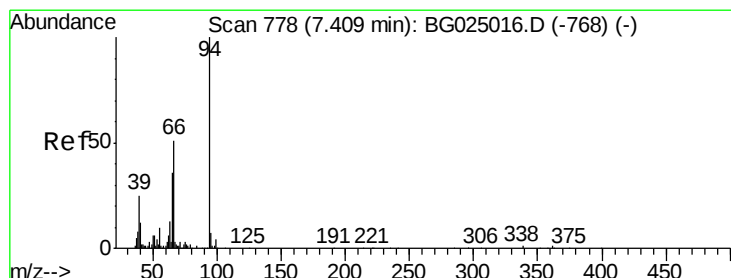
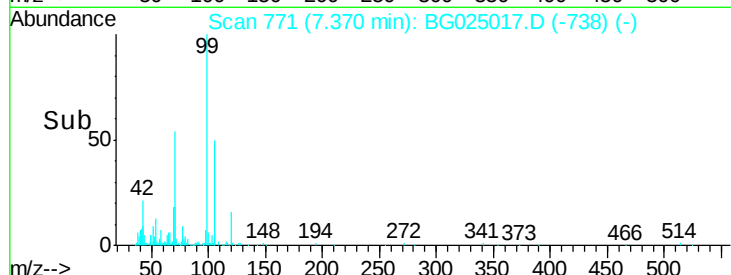
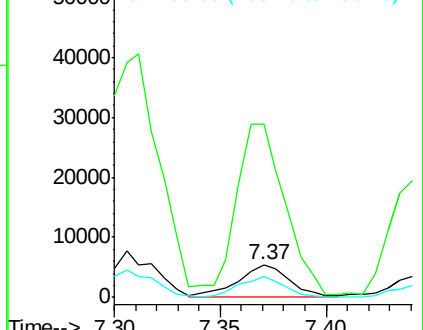
106 63.7 60.2 90.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 4.72 ng/ul

RT: 7.41 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

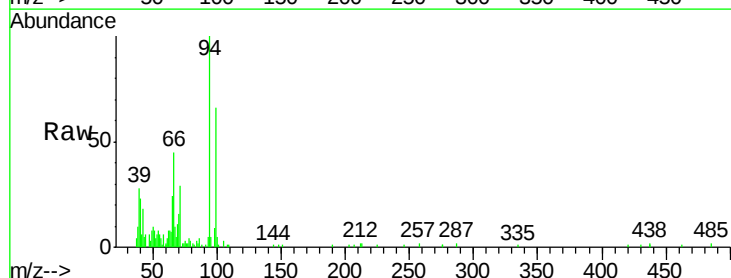
Tgt Ion: 94 Resp: 33541

Ion Ratio Lower Upper

94 100

65 23.8 26.8 40.2#

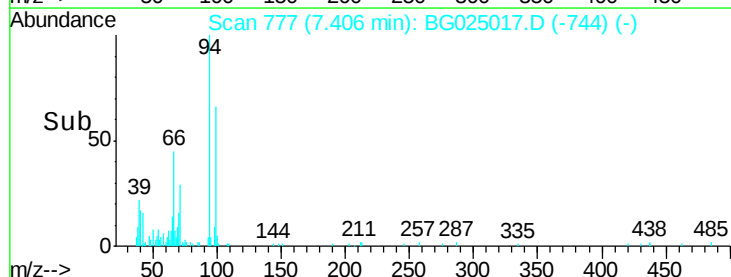
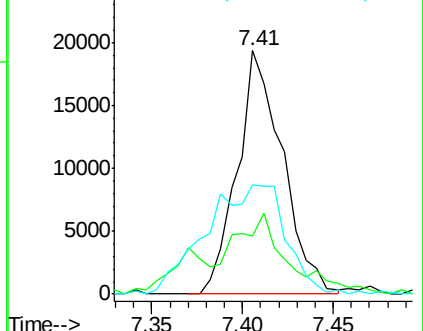
66 44.8 44.4 66.6

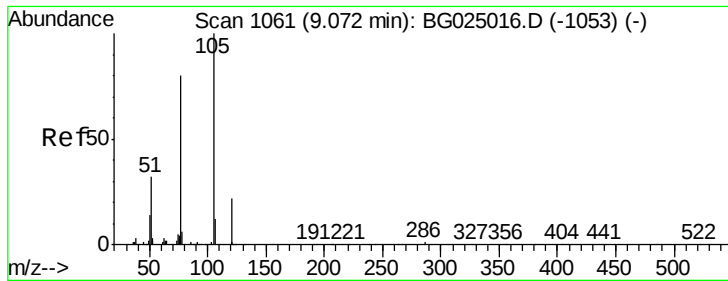


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#14

Acetophenone

Concen: 2.37 ng/ul

RT: 9.07 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

Instrument :

BNA_G

ClientSampleId :

DA7Y3

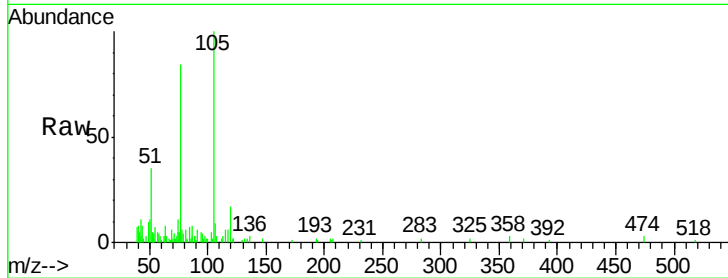
Tgt Ion:105 Resp: 20855

Ion Ratio Lower Upper

105 100

77 83.8 76.0 114.0

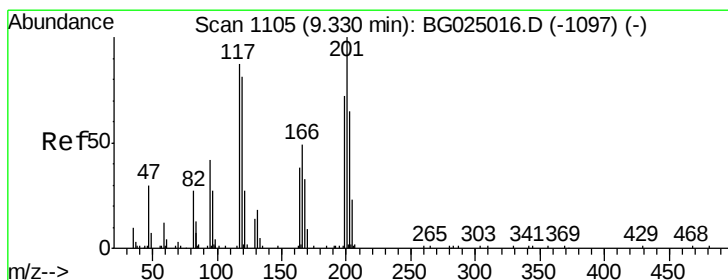
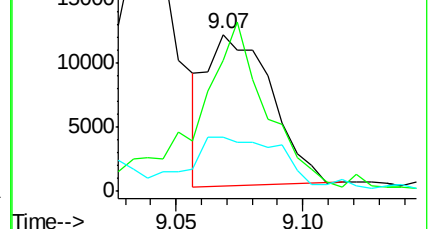
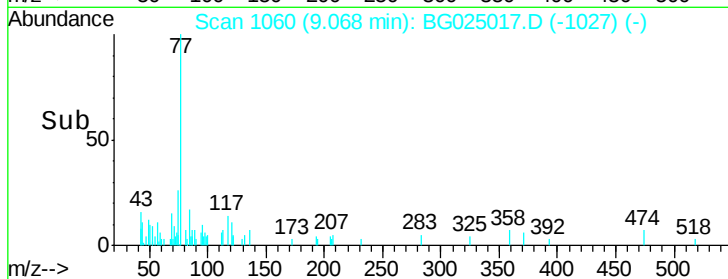
51 34.8 34.8 52.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0



#17

Hexachloroethane

Concen: 6.36 ng/ul

RT: 9.34 min Scan# 1107

Delta R.T. 0.01 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

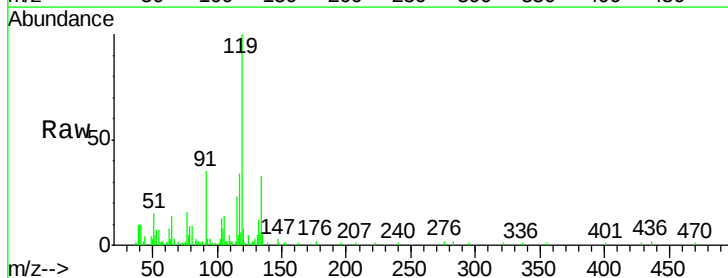
Tgt Ion:117 Resp: 13711

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

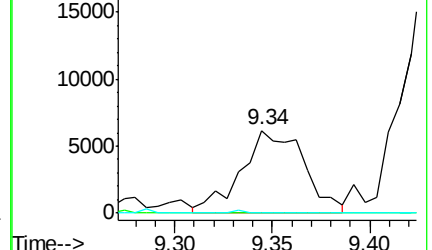
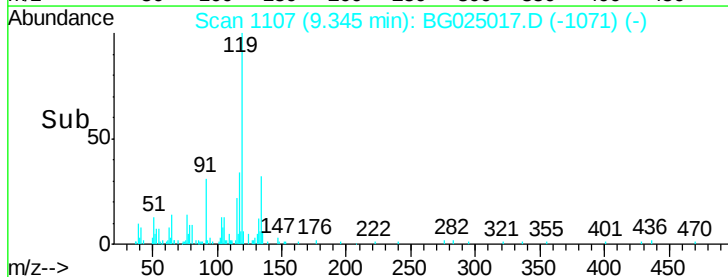
199 0.0 64.3 96.5#

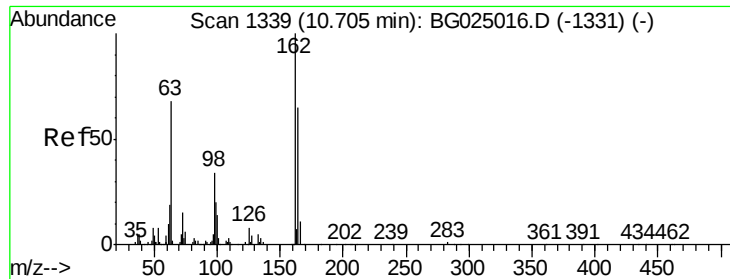


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

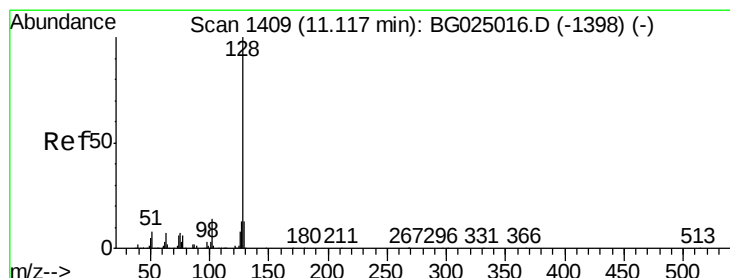
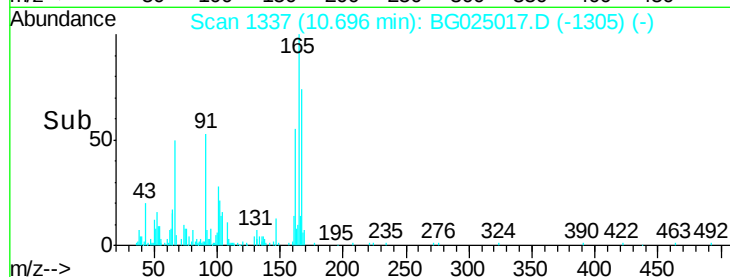
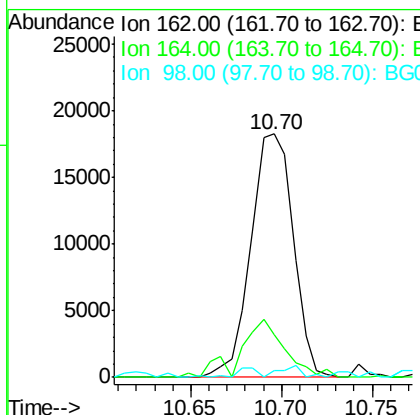
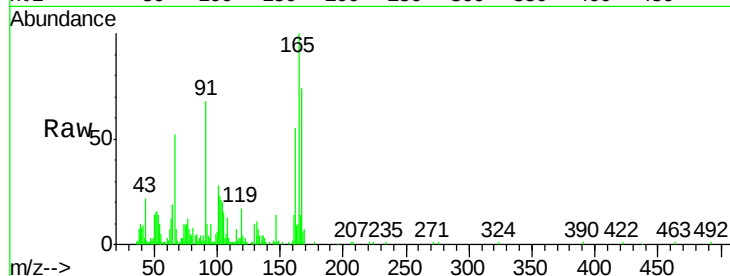




#27
2,4-Dichlorophenol
Concen: 5.45 ng/ul
RT: 10.70 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG025017.D
Acq: 8 Dec 2016 21:57

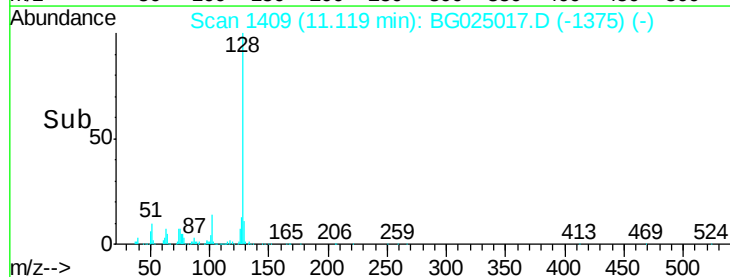
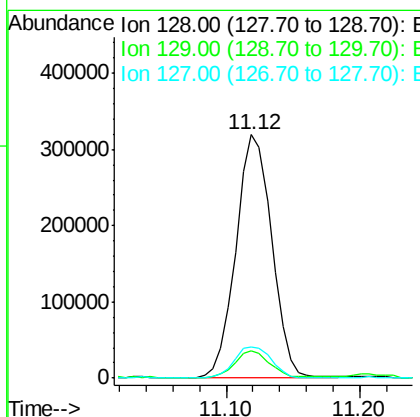
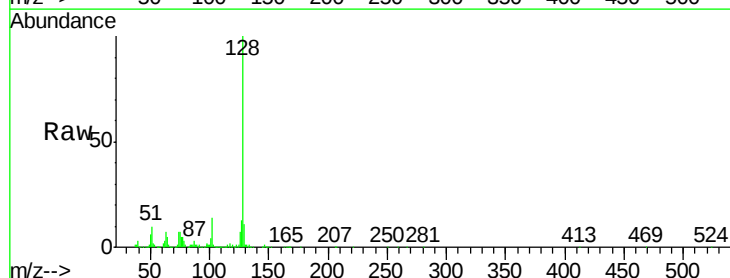
Instrument :
BNA_G
ClientSampleId :
DA7Y3

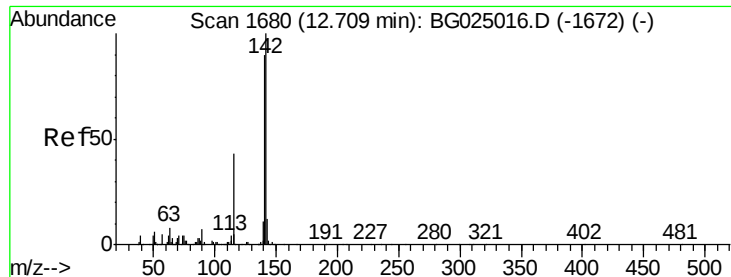
Tgt Ion	Ratio	Lower	Upper
162	100		
164	17.7	50.8	76.2#
98	2.6	32.1	48.1#



#28
Naphthalene
Concen: 38.80 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BG025017.D
Acq: 8 Dec 2016 21:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.4	14.2
127	12.6	10.3	15.5

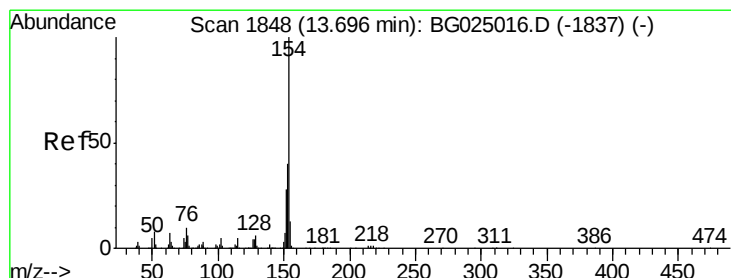
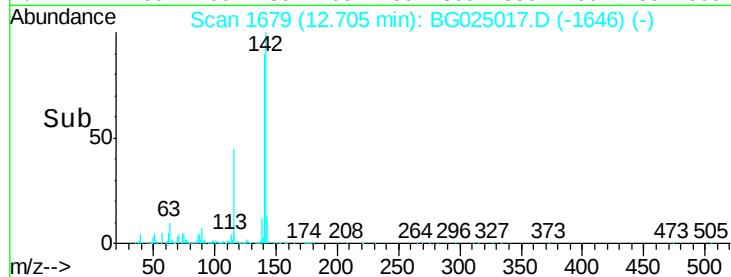
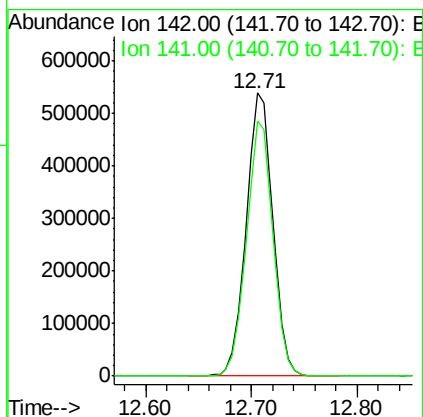
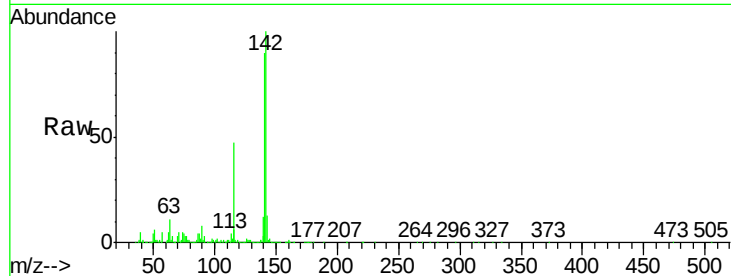




#34
 2-Methylnaphthalene
 Concen: 78.23 ng/ul
 RT: 12.71 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: BG025017.D
 Acq: 8 Dec 2016 21:57

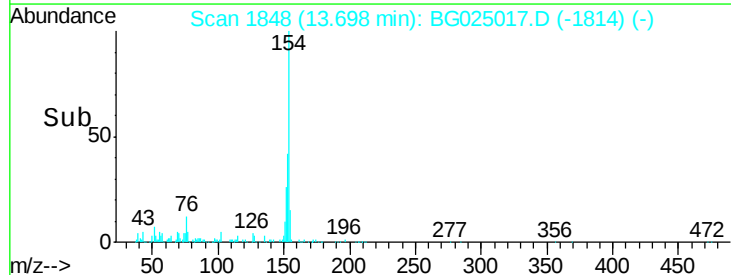
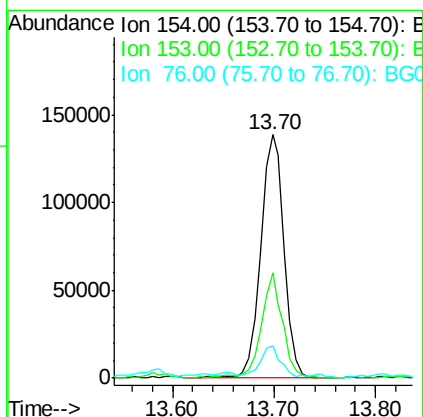
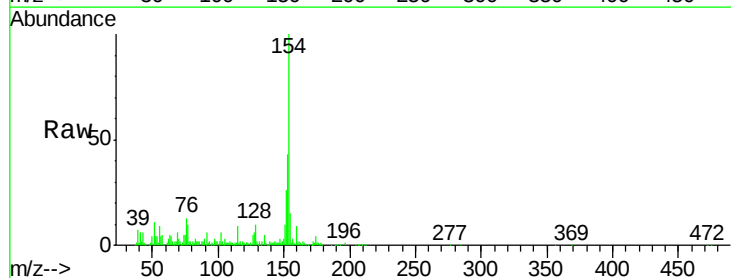
Instrument :
 BNA_G
 ClientSampleId :
 DA7Y3

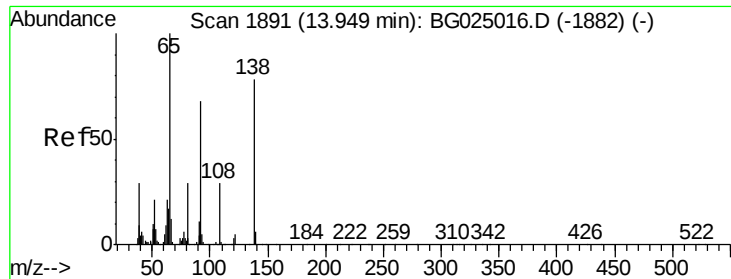
Tgt Ion:142 Resp: 946567
 Ion Ratio Lower Upper
 142 100
 141 90.2 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 14.05 ng/ul
 RT: 13.70 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG025017.D
 Acq: 8 Dec 2016 21:57

Tgt Ion:154 Resp: 221430
 Ion Ratio Lower Upper
 154 100
 153 43.1 32.2 48.2
 76 13.1 9.6 14.4





#42

2-Nitroaniline

Concen: 1.04 ng/ul

RT: 13.96 min Scan# 1893

Delta R.T. 0.01 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

Instrument :

BNA_G

ClientSampleId :

DA7Y3

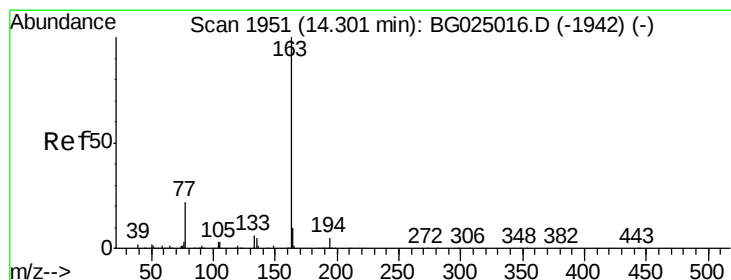
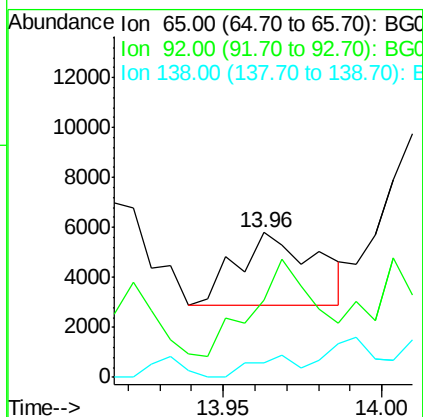
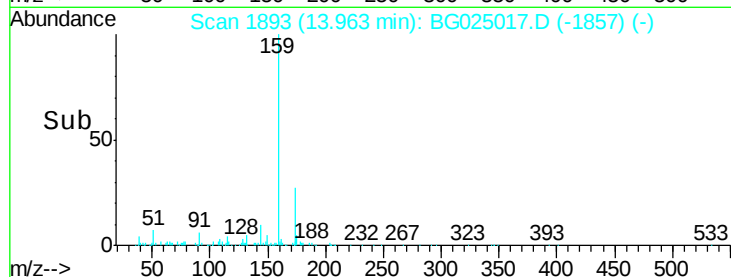
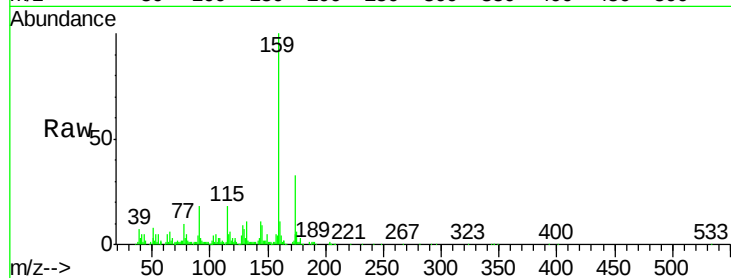
Tgt Ion: 65 Resp: 5103

Ion Ratio Lower Upper

65 100

92 53.1 50.9 76.3

138 10.0 61.8 92.6#



#44

Dimethylphthalate

Concen: 5.97 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

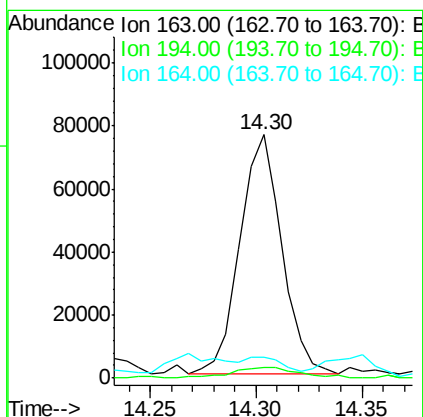
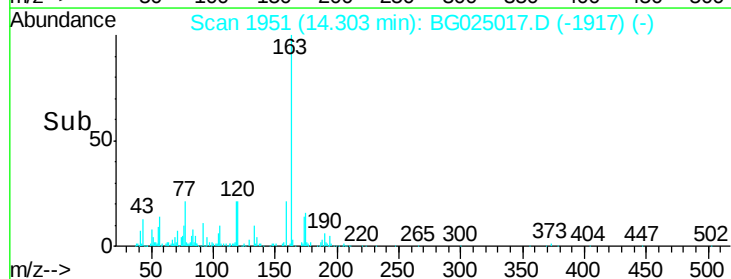
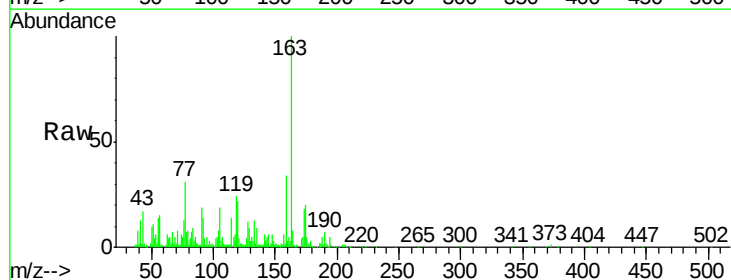
Tgt Ion: 163 Resp: 104957

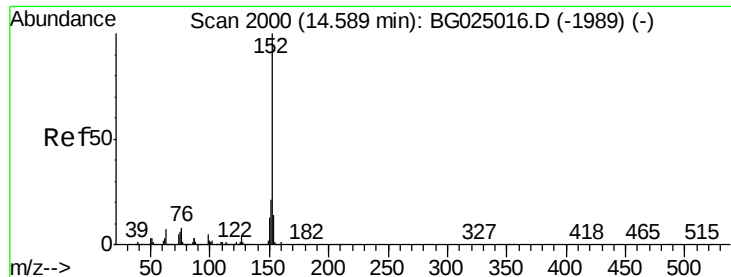
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

164 8.4 9.0 13.4#





#47

Acenaphthylene

Concen: 1.04 ng/ul

RT: 14.58 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

Instrument :

BNA_G

ClientSampleId :

DA7Y3

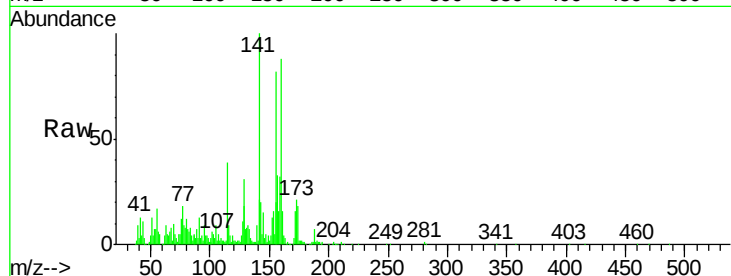
Tgt Ion:152 Resp: 19782

Ion Ratio Lower Upper

152 100

151 34.4 16.7 25.1#

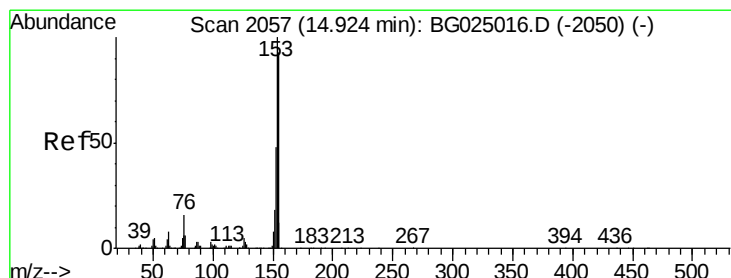
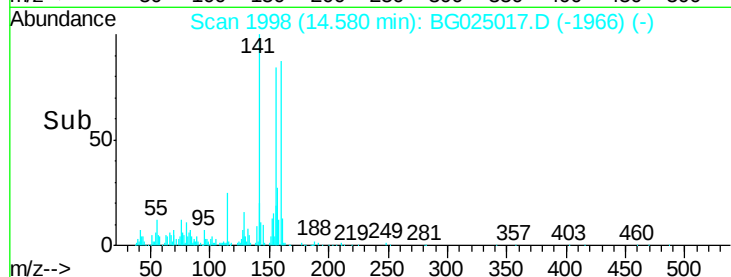
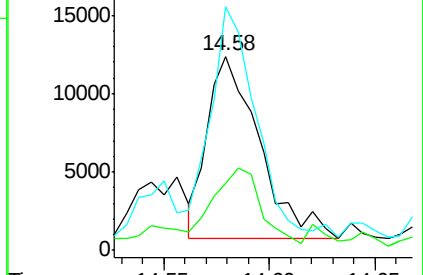
153 125.5 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 4.41 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

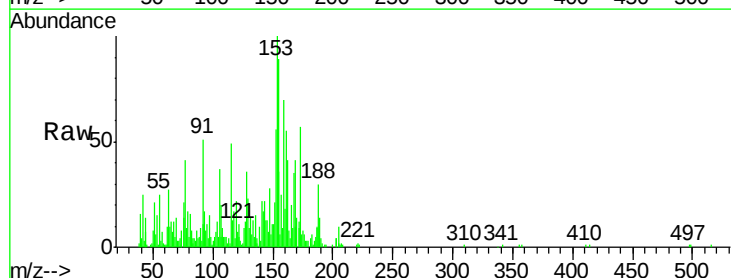
Tgt Ion:153 Resp: 57570

Ion Ratio Lower Upper

153 100

152 56.3 36.5 54.7#

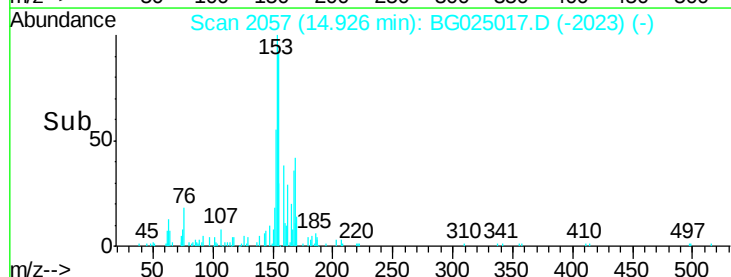
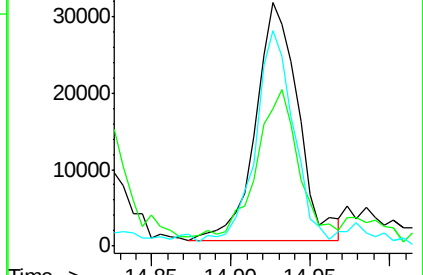
154 88.6 72.3 108.5

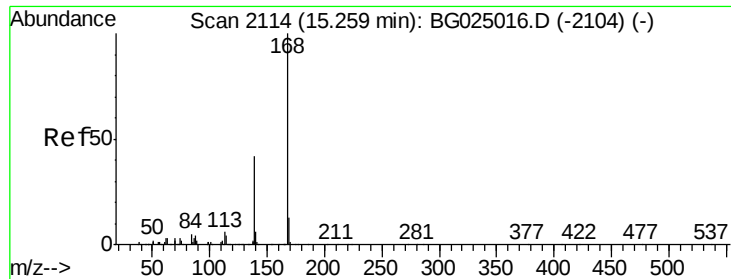


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 7.11 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

Instrument :

BNA_G

ClientSampleId :

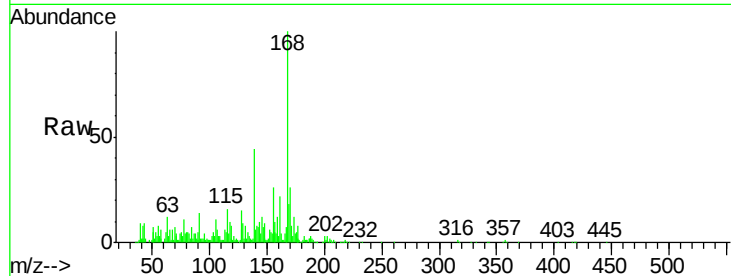
DA7Y3

Tgt Ion:168 Resp: 146631

Ion Ratio Lower Upper

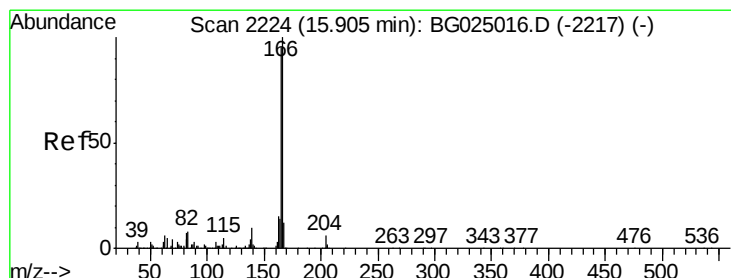
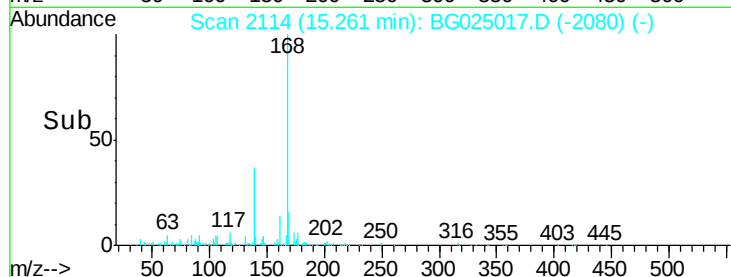
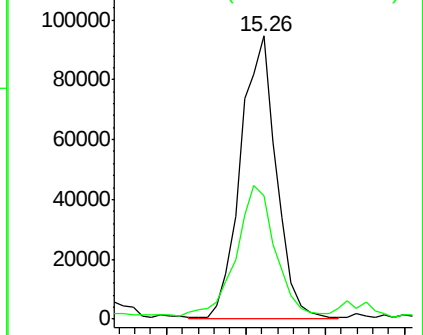
168 100

139 43.6 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 9.53 ng/ul

RT: 15.90 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

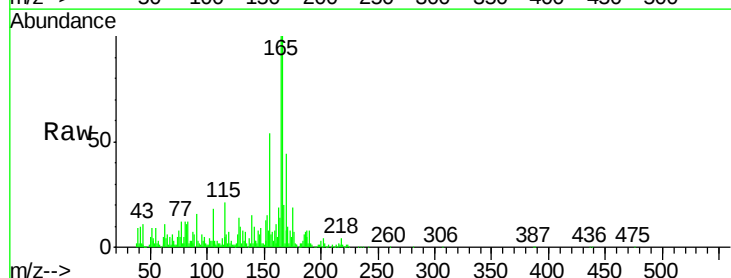
Tgt Ion:166 Resp: 160082

Ion Ratio Lower Upper

166 100

165 100.5 79.7 119.5

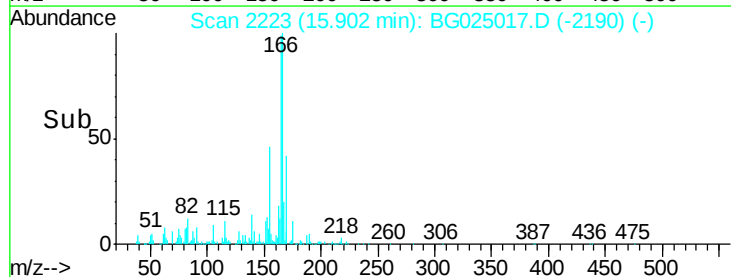
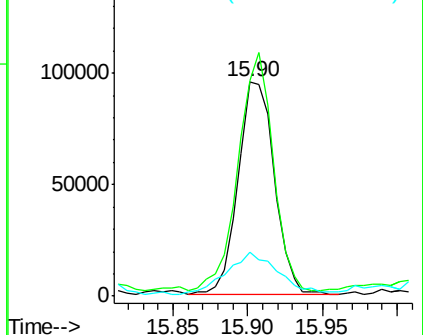
167 20.5 11.4 17.2#

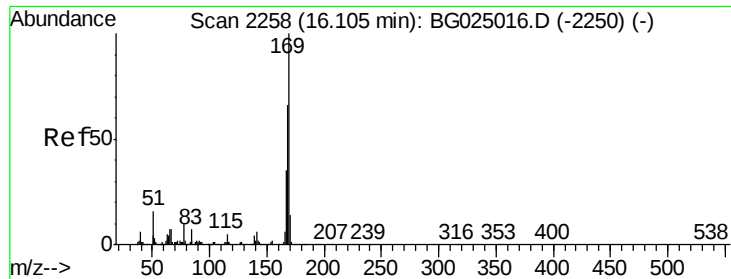


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 2.35 ng/ul

RT: 16.11 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

Instrument :

BNA_G

ClientSampleId :

DA7Y3

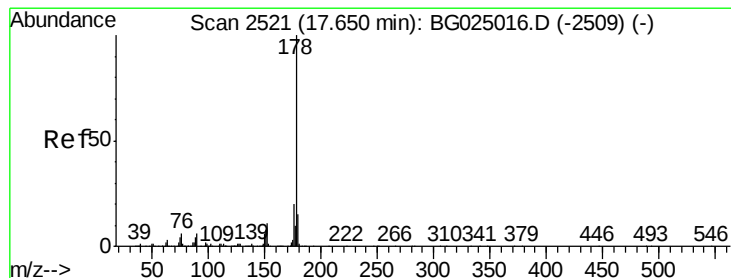
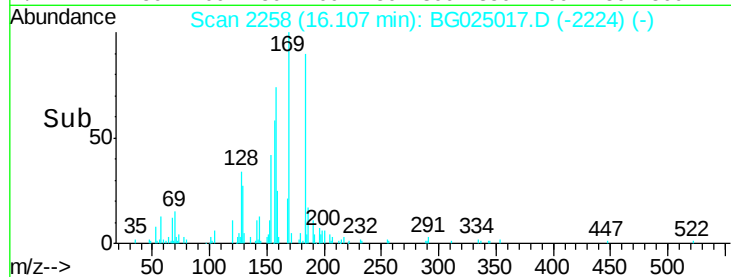
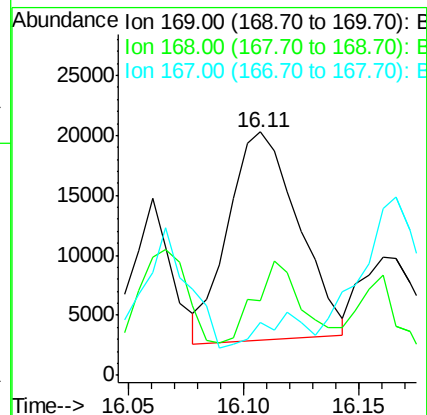
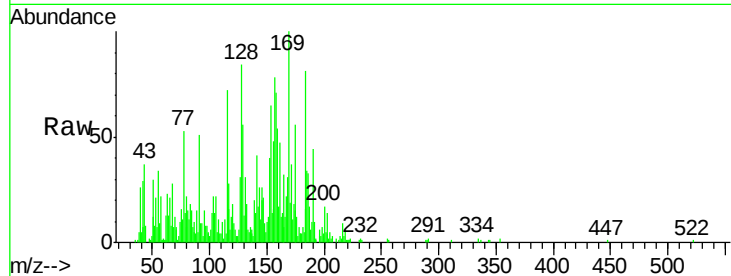
Tgt Ion:169 Resp: 36669

Ion Ratio Lower Upper

169 100

168 30.6 59.1 88.7#

167 21.8 29.7 44.5#



#69

Phenanthrene

Concen: 2.53 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025017.D

Acq: 8 Dec 2016 21:57

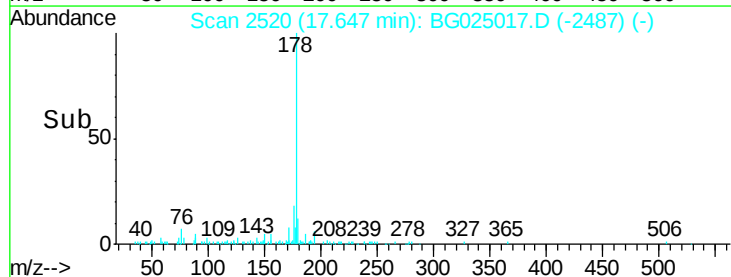
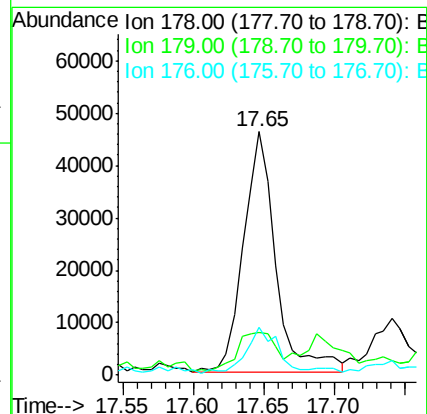
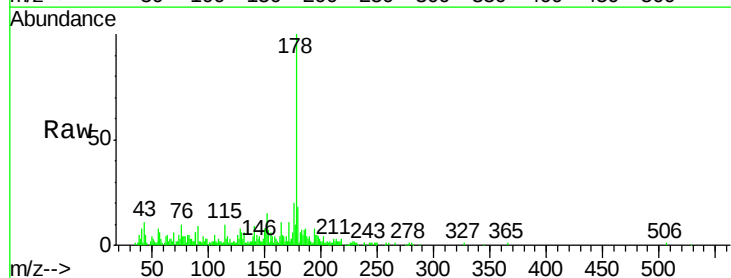
Tgt Ion:178 Resp: 73214

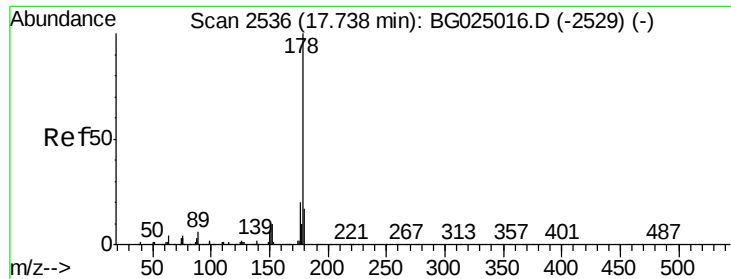
Ion Ratio Lower Upper

178 100

179 17.7 12.4 18.6

176 19.9 16.5 24.7





#71
 Anthracene
 Concen: 2.46 ng/ul
 RT: 17.65 min Scan# 2520
 Delta R.T. -0.09 min
 Lab File: BG025017.D
 Acq: 8 Dec 2016 21:57

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y3

Tgt Ion:178 Resp: 73214
 Ion Ratio Lower Upper
 178 100
 179 17.7 12.6 19.0
 176 19.9 15.9 23.9

